

Lab 2
GISC 480
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The purpose of this lab was to practice importing unsanitary data into ArcPro. A excel sheet was provided which included observations of various wildlife sightings with various attributes. To upload the data to ArcPro as a point layer, the northing and easting columns had to be formatted as numbers and in some rows, the northing and easting had to be swapped.

Once the data was imported a spatial join was used to associate BEC zone attributes with each wildlife observation and then the data was re-exported to an excel sheet. Pivot tables were used to generate three tables showing the counts of each animal species observed, counts of each animal species by land classification, and counts of each wildlife class by land classification. It can be seen in these tables that ungulates are the most frequently observed animals while rabbits are very rarely seen. Most sightings occurred in the MSdk1 land classification although this varied across species.

The wildlife observation data was plotted via two maps, one showing the entire study area and all observations, and another showing a small area around Aldridge Creek East which included BEC zone boundaries and sightings classified according to their wildlife class. This area of focus was chosen because it clearly contained two different BEC zones and had sightings of 3 out of the 4 wild life classes.

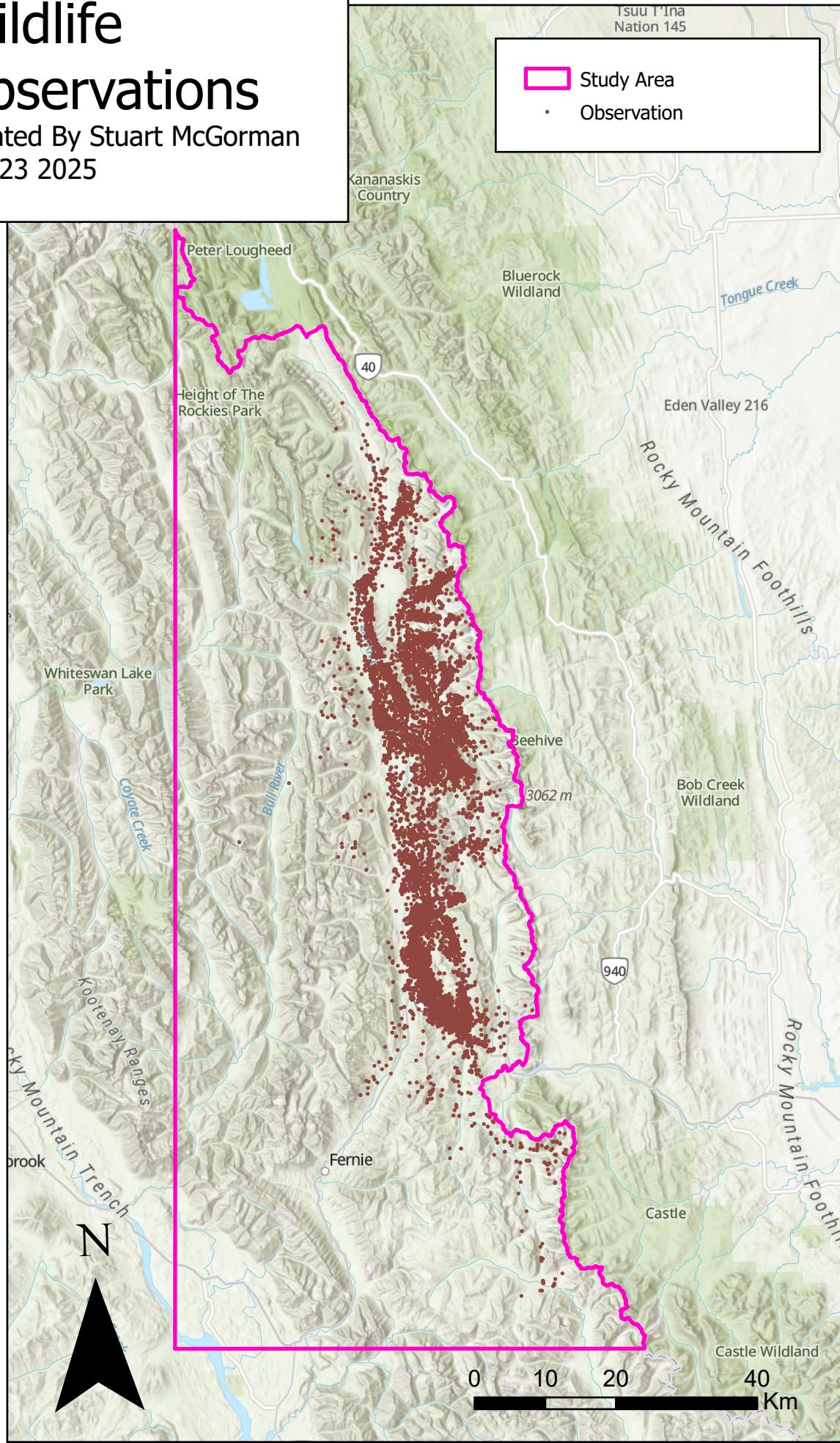
Animal	Count
Billy Goat	969
Bison	4683
Condor	61
Dog	1
Fox	1
Gazelle	4300
Giraffe	50365
Grizzly Bear	3
Hyena	441
Impala	7559
Lion	50
Mallard	9
Manx	8
Owl	36
Panda Bear	32
Pigeon	182
Polar Bear	1
Rabbit	5
Tiger	1
Wolf	13
Zebra	1739
Grand Total	70459

Animal	Land Classification								Grand Total
	ESSFd1	ESSFd2	ESSFd3	ESSFd4	ICHmk4	IMAun	MSdk1	MSdk2	
Billy Goat	232	72	288	269		76	32		969
Bison	1700	114	46	294			2500	29	4683
Condor	4			4			42	11	61
Dog	1								1
Fox	1								1
Gazelle	1299	229	8	103	19	1	1906	735	4300
Giraffe	10079	373	559	2200	110	6	36935	103	50365
Grizzly Bear							3		3
Hyena	202	3	14	33			174	15	441
Impala	2725	178	1679	2433		122	323	99	7559
Lion	16	2					32		50
Mallard	9								9
Manx	3			2				3	8
Owl	18	1		7		1	9		36
Panda Bear	20						12		32
Pigeon	36	8	13	78	2		45		182
Polar Bear	1								1
Rabbit	4						1		5
Tiger							1		1
Wolf	8			2			3		13
Zebra	57	3					1675	4	1739
Grand Total	16415	983	2607	5425	131	206	43693	999	70459

Wildlife Class	Land Classificaiton								Grand Total
	ESSFdk1	ESSFdk2	ESSFdkp	ESSFdkw	ICHmk4	IMAun	MSdk1	MSdk2	
Bird	67	9	13	89	2	1	96	11	288
Carnivore	252	5	14	37			225	18	551
Rabbit	4						1		5
Ungulate	16092	969	2580	5299	129	205	43371	970	69615
Grand Total	16415	983	2607	5425	131	206	43693	999	70459

Wildlife Observations

Created By Stuart McGorman
Jan 23 2025



Wildlife Observations Near Aldridge Cr East

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Observation

- Bird
- Carnivore
- Rabbit
- Ungulate

